No.



# THE UNITED STATES OF AMERICA

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MACCERS, THERE HAS BEEN PRESENTED TO THE

## Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY TEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE LIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY OR OFFFERING IT FOR SALE, OR REPRODUCING IT, OR PORTING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE PURPOSE, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE SE, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT OF BY THE PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

### CORN, FIELD

'PH907'

In Testimon Merror, I have hereunto set my hand and caused the seal of the Mant Harrety Protection Office to be affixed at the City of Washington, D.C. this sixth day of September, in the year two thousand and six.

Attest:

Benzelle

Commissioner

Plant Variety Protection Office Agricultural Marketing Service fary of Agriculture

CAPACITY OR TITLE

Research Scientist

CAPACITY OR TITLE

DATE

4-27-2004

GENERAL: To be effectively filed with the Plant Variety Protection Office (PVPO), ALL of the following items must be received in the PVPO: (1) Completed application form signed by the owner; (2) completed exhibits A, B, C, E; (3) for a seed reproduced variety at least 2,500 viable untreated seeds, for a hybrid variety at least 2,500 untreated seeds of each line necessary to reproduce the variety, or for tuber reproduced varieties verification that a viable (in the sense that it will reproduce an entire plant) tissue culture will be deposited and maintained in an approved public repository; (4) check drawn on a U.S. bank for \$3,652 (\$432 filing fee and \$3,220 examination fee), payable to "Treasurer of the United States" (See Section 97.6 of the Regulations and Rules of Practice.) Partial applications will be held in the PVPO for not more than 90 days, then returned to the applicant as unfiled. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 401, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. Retain one copy for your files. All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initialed and dated. DO NOT use masking materials to make corrections. If a certificate is allowed, you will be requested to send a check payable to "Treasurer of the United States" in the amount of \$432 for issuance of the certificates will be issued to owner, not licensee or agent.

Plant Variety Protection Office Telephone: (301) 504-5518 FAX: (301) 504-5291

Homepage: http://www.ams.usda.gov/science/pvpo/pvp.htm

To avoid conflict with other variety names in use, the applicant must check the appropriate recognized authority and provide evidence that name has been cleared by the appropriate recognized authority before the Certificate of Protection is issued. For example, for agricultural and vegetable crops, contact: Seed Branch, AMS, USDA, 10301 Baltimore Avenue, Suite 401 NAL Building, Beltsville, MD 20705. Telephone: (301) 504-5682 http://www.ams.usda.gov/lsg/seed.htm.

### ITEM

19a. Give:

- (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method;
- (2) the details of subsequent stages of selection and multiplication;
- (3) evidence of uniformity and stability; and
- (4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified
- 19b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties:
  - (1) identify these varieties and state all differences objectively;
  - (2) attach statistical data for characters expressed numerically and demonstrate that these are clear differences; and
  - (3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.
- 19c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.
- 19d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.
- 19e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO.
- 20. If "Yes" is specified (seed of this variety be sold by variety name only, as a class of certified seed), the applicant MAY NOT reverse this affirmative decision after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. (See Regulations and Rules of Practice, Section 97.103).
- 23. See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.
- 24. See Section 55 of the Act for instructions on claiming the benefit of an earlier filing date.
- 22. CONTINUED FROM FRONT (Please provide a statement as to the limitation and sequence of generations that may be certified.)
- 23. CONTINUED FROM FRONT (Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)

United States, Nov. 1, 2003; Canada, Nov.1 2003

24. CONTINUED FROM FRONT (Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent).)

NOTES: It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's representative during the life of the application/certificate. The fees for filing a change of address; owner's representative; ownership or assignment; or any modification of owner's name is specified in Section 97.175 of the regulations. (See Section 101 of the Act, and Sections 97.130, 97.131, 97.175(h) of the Regulations and Rules of Practice.)

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 1.4 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, sexual orientation, marital or family status, political beliefs, parental status, or protected genetic information. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audictage, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD).

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call 202-720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.

## Exhibit A. Origin and Breeding History

Pedigree: PHP02/PH1GD)XA3212X

Pioneer Line PH907, Zea mays L., a yellow endosperm corn inbred, was developed by Pioneer Hi-Bred International, Inc. from the single cross hybrid PHP02 (Certificate No. 8800212) X PH1GD (PVP Certificate No. 200000223) using the pedigree method of plant breeding. Varieties PHP02 and PH1GD are proprietary inbred lines of Pioneer Hi-Bred International, Inc. Selfing was practiced from the above hybrid for 5 generations using pedigree selection. During line development, crosses were made to inbred testers for the purpose of estimating the line's combining ability. Yield trials were grown at Willmar, Minnesota as well as other Pioneer research locations. After initial testing, additional hybrid combinations have been evaluated and subsequent generations of the line have been grown and hand-pollinated with observations again made for uniformity.

Variety PH907 has shown uniformity and stability for all traits as described in Exhibit C - "Objective Description of Variety". It has been self-pollinated and ear-rowed 4 generations with careful attention paid to selection criteria and uniformity of plant type to assure genetic homozygousity and phenotypic stability. The line has been increased both by hand and in isolated fields with continued observations for uniformity and stability, and for 3 generations during the final stages of inbred development and seed multiplication. Very high standards for genetic purity have been established morphologically using field observations and electrophoretically using sound lab molecular marker methodology.

No variant traits have been observed or are expected in PH907.

The criteria used in the selection of PH907 were yield, both per se and in hybrid combinations; late season plant health, grain quality, stalk lodging resistance, and kernel size, especially important in production. Other selection criteria include: ability to germinate in adverse conditions; disease and insect resistance; pollen yield and tassel size.

Exhibit A: Developmental history for PH907

Season/Year Pedigree Grown	Inbreeding Level of Pedigree Grown
PHP02	F0
PHIGD	F0
PHP02/PH1GD Winter 1995	F1
PHP02/PH1GD)X Summer 1996	F2
PHP02/PH1GD)XA3 Summer 1997	F3
PHP02/PH1GD)XA32 Summer 1998	F4
PHP02/PH1GD)XA321 Winter 1998	F5
PHP02/PH1GD)XA3212 Summer 1999	F6
PHP02/PH1GD)XA3212X	F7 SEED

<sup>\*</sup>PH907 was selfed and ear-rowed from F3 through F6 generation.
#Uniformity and stability were established from F5 through F7 generation and beyond when seed supplies were increased.

## **Exhibit B: Novelty Statement**

Variety PH907 mostly resembles Pioneer Hi-Bred International, Inc. proprietary inbred line PH1GD (PVP Certificate No. 200000223). Tables 1A and 1B show two sample t-tests on data collected primarily in Johnston and Dallas Center, IA. The traits collectively show measurable differences between the two varieties.

Exhibit B: Novelty Statement

Variety PH907 has a greater tassel length (58.4 cm vs 47.8 cm) than variety PH1GD (Table 1A, 1B).

Variety PH907 has a greater tassel peduncle length (24.9 cm vs 17.8 cm) than variety PH1GD (Table 1A, 1B).

Variety PH907 differs from PH1GD for the marker isozyme at locus *mdh1* (*malate dehdrogenase1*). Standardized isozyme analysis revealed that PH907 is homozygous for allele *mdh1*-6 while PH907 is homozygous for allele *mdh1*-1.

We have run electrophoretic profiles of isozymes for PH907 and PH1GD to gather further evidence for distinction. A good reference for the starch gel protocol is: Cardy, BJ, Stuber CW, Goodman MM. 1980. Techniques for Starch Gel Electrophoresis of Enzymes from Maize (Zea mays L.). Institute of Statistics Mimeograph Series No. 1317. North Carolina State University, Raleigh, North Carolina.

# Exhibit B: Novelty Statement Tables

Table 1A: Data from Johnston and Dallas Center, IA broken out by year and across environments are supporting evidence for differences between PH907 an PH1GD. Each year varieties were grown in 3 locations that had different environmental conditions. Environments had different planting dates and were in different fields. A two-sample t-test was used to compare differences between means.

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tolDeviation-S	4.763	4.068	3.439	2.923
Rean_Diff	12.5	8.9	7.0	7.2
dean⊧ 2	46.9	48.6	18.4	17.2
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VARIETY-	PH1GD	PH1GD	PH1GD	PH1GD
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		length	tassel peduncle length (cm) 2002PH907	tassel peduncle length (cm)

# Exhibit B. Novelty Statement Tables

between PH907 and PH1GD. Environments had different planting dates and were in different fields. A two-sample t-test was used to Table 1B: Summary data from Johnston and Dallas Center, IA across years and environments are supporting evidence for differences compare differences between means.

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## United States Department of Agriculture, Agricultural Marketing Service Science and Technology, Plant Variety Protection Office National Agricultural Library Building, Room 400 Beltsville, MD 20705-2351

# OBJECTIVE DESCRIPTION OF VARIETY CORN (Zea Mays L.)

Name of Applicant(s Pioneer Hi-Bred Int		l Variety Seed	Source	Variety Name or T PH907	emporary Designation
	o., or R.F.D. No., City, State,		FOR OFFIC	AL USE	PVPO Number
7301 NW 62nd Avei	nue, P.O. Box 85, Johnston	, Iowa 50131-0085	<u> </u>		200400194
adding leading zeroe	e number that describes the value if necessary. Completenes by for an adequate variety des	s should be striven for to	establish an adequate va	he spaces below. Right j ariety description. Traits o	ustify whole numbers by designated by a "*" are
COLOR CHOICES ( 01. Light Green 02. Medium Green 03. Dark Green 04. Very Dark Gree 05. Green-Yellow	Use in conjunction with Muns 06. Pale Yellow 07. Yellow 08. Yellow-Orange n 09. Salmon 10. Pink-Orange	ell color code to describe 11. Pink 12. Light Red 13. Cherry Red 14. Red 15. Red & White	e all color choices; describ 16. Pale Purple 17. Purple 18. Colorless 19. White 20. White Capped	pe #25 and #26 in Comm 21. Buff 22. Tan 23. Brown 24. Bronze 25. Variegated (Des	26. Other (Describe)
Yellow Dent Familie Family B14 B37 B73 C103 Oh43	D CHOICES [Use the most sines: Members CM105, A632, B64, B68 B37, B76, H84 N192, A679, B73, Nc268 Mo17, Va102, Va35, A682 A619, MS71, H99, Va26 W64A, A554, A654, Pa91	milar (in background and Yellow Dent (Unrelated Co109, ND246 Oh7, T232 W117, W153R W182BN White Dent: Cl66, H105, Ky	i):	Sweet Corn: C13, lowa512 Popcorn:	25, P39, 2132 722, HP301, HP7211
1. TYPE: (describe 2 (1=Swee	intermediate types in comme t, 2=Dent, 3=Flint, 4=Flour, 5 tts: Dent/Flint		-Pipecorn)	I Standard Inbred I <u>3</u> Type	
	DEVELOPED IN THE U.S.A est, 2=N.Central, 3=N.East, 4		S.West, 7=Other	I Standard Seed S I _ Region	ource AMES 19315
	egion Best Adaptability; show HEAT UNITS  1,324.5 From emergence 1,287.8 From emergence 52 From 10% to 90° From 50% silk to	to 50% of plants in silk to 50% of plants in polle	en	DAYS DAYS Solve Sign Sign Sign Sign Sign Sign Sign Sign	HEAT UNITS 1,209.2 1,164.0 63
77.1 cm Ear I 14.8 cm Leng 0.0 Average 1.2 Average	t Height (to tassel tip) Height (to base of top ear not pth of Top Ear Internode Number of Tillers Number of Ears per Stalk anin of Brace Roots: 1=Abse	de)	19.42 2.18 0.04 0.14	e   Mean 0   179.3 0   69.4 0   12.9 6   0.0 6   1.1	St.Dev.     Sample Size       17.50     30       11.80     30       1.63     30       0.00     6       0.06     6
Application Variety [	Data		Page 1	I Standard Inbred	Data

8.3 cm Width of Ear Node Leaf 82.0 cm Length of Ear Node Leaf 82.0 cm Length of Ear Node Leaf 82.0 cm Length of Ear Node Leaf 82.1 cm Length of Ear Node Leaf 82.2 cm Length of Ear Node Leaf 82.4 Number of leaves above top ear 9.63 30 1 78.3 5.64 30 825.2 Degrees Leaf Angle (Measure from 2nd leaf above ear at anthesis to stalk above leaf)  4 Leaf Color (Munsell code) 7.5GY 3/4  2 Leaf Sheath Pubescence (Rate on scale from 1=none to 9=like peach fuzz) 4 Leaf Sheath Pubescence (Rate on scale from 1=none to 9=like peach fuzz) 4 Leaf Sheath Pubescence (Rate on scale from 1=none to 9=like peach fuzz) 4 Leaf Sheath Pubescence (Rate on scale from 1=none to 9=many) 4 Longitudinal Creases (Rate on scale from 1=none to 9=many) 5 Longitudinal Creases (Rate on scale from 1=none to 9=many) 6 TASSEL:  8 St.Dev. Sample Size   Mean St.D	Application Variety Data	Page 2	1	Standard Inbred	Data	
8.3 cm Width of Ear Node Leaf 8.20 cm Length of Ear Node Leaf 8.20 cm Length of Ear Node Leaf 8.20 cm Length of Ear Node Leaf 8.21 cm Length of Ear Node Leaf 8.22 cm Length of Ear Node Leaf 8.24 Number of leaves above top ear 8.25 Leaf Sheath Pubescence (Rate on scale from 1 + 10 + 10 + 10 + 10 + 10 + 10 + 10 +	5. LEAF	St.Dev.	Sample Size I	Mean	St.Dev.	Sample Size
252   Degrees Leaf Angle   4.79   30   33.2   7.12   32	8.3 cm Width of Ear Node Leaf	0.88	30 I	7.4	0.81	
252   Degrees Leaf Angle   4.79   30   33.2   7.12   32	82.0 cm Length of Ear Node Leaf	4.30	<u>30</u> I	78.3	5.64	30
252   Degrees Leaf Angle   4.79   30   33.2   7.12   32	5.4 Number of leaves above top ear	0.63	1 00	5.6	0.56	30
4 Leaf Color (Munsell code) 7.5GY 3/4 2 Leaf Sheath Pubsescence (Rate on scale from 1=none to 9=lilke peach fuzz)	25.2 Degrees Leaf Angle			33.2		30
4 Leaf Color (Munsell code) 7.5GY 3/4 2 Leaf Sheath Pubsescence (Rate on scale from 1=none to 9=lilke peach fuzz)	(Measure from 2nd leaf above ear at anthesis to stalk a	above leaf)	_ <sub> </sub>	<del></del>		
2 Leaf Sheath Pubescence (Rate on scale from 1=none to 9=many)  — Longitudinal Creases (Rate on scale from 1=none to 9=many)  6. TASSEL:  8. St. Dev. Sample Size   Mean St.Dev. Sample	4 Leaf Color (Munsell code) 7.5GY 3/4		1	3 (Munsell	code) 5G1	<u> </u>
	2 Leaf Sheath Pubescence (Rate on scale from 1=none	to 9=like peach fu	zz) l	<u>4</u>		
St.Dev.   Sample Size   Mean   St.Dev.   Sample Size   Mean   St.Dev.   Sample Size   3,8   Number of Primary Lateral Branches   3,58   28   5,5   2,08   28   2,53   2,22   7,46   33   2,22   7,46   33   34   34   34   34   34   34	Marginal Waves (Rate on scale from 1=none to 9=ma	ny)	1			
8.6. Number of Primary Lateral Branches 21.3. Branch Angle from Central Spike 7.15 30.   22.2. 7.46 30.   32.1. 30   (from top leaf collar to tassel tip) 6. Pollen Shed (Rate on scale from 0-male sterile to 9=heavy shed) 1.4. Anther Color (Munsell code) 1.7. Pollen Shed (Rate on scale from 0-male sterile to 9=heavy shed) 1.4. Anther Color (Munsell code) 1.7. EAR (Unhusked Data): 1.8. Glume Solor (Munsell code) 1.8. Glume Solor (25 days after emergence) (Munsell code) 1.8. Glume Solor (25 days after 50% silking) (Munsell code) 1.9. Dry Husk Color (25 days after 50% silking) (Munsell code) 1.9. Dry Husk Color (26 days after 50% silking) (Munsell code) 1.9. Dry Husk Color (26 days after 50% silking) (Munsell code) 1.9. Dry Husk Color (26 days after 50% silking) (Munsell code) 1.9. Dry Husk Color (26 days after 50% silking) (Munsell code) 1.9. Dry Husk Color (26 days after 50% silking) (Munsell code) 1.9. Dry Husk Color (26 days after 50% silking) (Munsell code) 1.9. Dry Husk Color (26 days after 50% silking) (Munsell code) 1.9. Dry Husk Color (26 days after 50% silking) (Munsell code) 1.9. Dry Husk Color (26 days after 50% silking) (Munsell code) 1.9. Dry Husk Color (26 days after 50% silking) (Munsell code) 1.9. Dry Husk Color (26 days after 50% silking) (Munsell code) 1.9. Dry Husk Color (26 days after 50% silking) (Munsell code) 1.9. Dry Husk Color (26 days after 50% silking) (Munsell code) 1.9. Dry Husk Color (26 days after 50% silking) (Munsell code) 1.9. Dry Husk Color (26 days after 50% silking) (Munsell code) 1.9. Dry Husk Color (26 days after 50% silking) (Munsell code) 1.9. Dry Husk Color (26 days after 50% silking) (Munsell code) 1.9. Dry Husk Color (26 days after 50% silking) (Munsell code) 1.9. Dry Husk Color (26 days after 50% silking) (Munsell code	Longitudinal Creases (Rate on scale from 1=none to 9	9=many)	1	_		
S.6 Number of Primary Lateral Branches   3.58   28   5.55   2.08   22   21.3 Branch Angle from Central Spike   7.15   30   22.2   7.46   33   36   32   36   32   36   32   36   32   36   32   36   36	6. TASSEL:	St Dev	Sample Size I	Mean	St Dev	Sample Size
21.3 Branch Angle from Central Spike 7.15 30   22.2 7.46 33	8.6 Number of Primary Lateral Branches		•			
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6 Pollen Shed (Rate on scale from 0=male sterile to 9=heavy shed)   1		<del>7,70</del>	<u>55</u> ;	40.0	0.21	<u> </u>
14 Anther Color (Munsell code)   10RP 4/6   1		neavy shed)	i	4		
17 Glume Color (Munsell code)   10RP 2/6		ioury onou,	i	7 (Munsell	Loode) 5Y 9	9/4
1 Bar Glumes (Glume Bands): 1=Absent, 2=Present  7a. EAR (Unhusked Data):  11 Silk Color (3 days after emergence) (Munsell code)  2 Fresh Husk Color (25 days after 50% silking) (Munsell code)  5 Fresh Husk Color (65 days after 50% silking) (Munsell code)  19 Dry Husk Color (65 days after 50% silking) (Munsell code)  19 Position of Ear at Dry Husk Stage: 1=Upright, 2=Horizontal, 3=Pendent  2 Position of Ear at Dry Husk Stage: 1=Upright, 2=Horizontal, 3=Pendent  3 Husk Tightness (Rate on scale from 1=very loose to 9=very tight  2 Hush Extension (at harvest): 1=Short(ears exposed), 2=Medium (<8cm), 3=Long  (8-10cm beyond ear tip), 4=Very Long (>10cm)  7b. EAR (Husked Ear Data)  1 L83  30 I 14.7  1.42  33.9. mm Ear Length  1 L83  30 I 14.7  1.42  33.9. mm Ear Length  1 L83  30 I 14.7  1.42  30 1 39.2  2.27  30 1 39.2  2.29  30 1 39.2  2.29  30 1 39.2  2.29  30 1 39.2  2.29  30 1 39.2  2.29  30 1 39.2  2.29  30 1 39.2  2.29  30 1 39.2  2.29  30 1 39.2  2.29  30 1 39.2  2.29  30 1 39.2  2.29  30 1 39.2  2.29  30 1 39.2  2.29  30 1 39.2  2.29  30 1 39.2  2.29  30 1 39.2  2.29  30 1 39.3  30 1 10.3  30 1 10.3  30 1 10.5			i			
11 Silk Color (3 days after emergence) (Munsell code) 2 Fresh Husk Color (25 days after 50% silking) (Munsell code) 19 Dry Husk Color (65 days after 50% silking) (Munsell code) 19 Pry Husk Color (65 days after 50% silking) (Munsell code) 2 Position of Ear at Dry Husk Stage: 1=Upright, 2=Horizontal, 3=Pendent 3 Husk Tightness (Rate on scale from 1-very loose to 9=very tight 4 Hush Extension (at harvest): 1=Short(ears exposed), 2=Medium (<8cm), 3=Long (8-10cm beyond ear tip), 4=Very Long (>10cm)  2 D. EAR (Husked Ear Data) 3 St. Dev. Sample Size   Mean St. Dev. Sample Size   St. Dev. Sample Size   Mean St. Dev. Sample Size   St. Dev. Sample Size   Mean St. Dev. Sample			i	1	. 0000) <u>9.0.</u>	
2 Fresh Husk Color (25 days after 50% silking) (Munsell code) 5GY 6/8 19 Dry Husk Color (65 days after 50% silking) (Munsell code) 1 Dry Husk Color (65 days after 50% silking) (Munsell code) 1 Dry Husk Color (65 days after 50% silking) (Munsell code) 1 Dry Husk Color (65 days after 50% silking) (Munsell code) 1 Dry Husk Color (65 days after 50% silking) (Munsell code) 1 Dry Husk Color (65 days after 50% silking) (Munsell code) 1 Dry Husk Color (65 days after 50% silking) (Munsell code) 1 Dry Husk Color (65 days after 50% silking) (Munsell code) 1 Dry Husk Color (65 days after 50% silking) (Munsell code) 1 Dry Husk Color (65 days after 50% silking) (Munsell code) 1 Dry Husk Color (65 days after 50% silking) (Munsell code) 1 Dry Husk Color (65 days after 50% silking) (Munsell code) 1 Dry Husk Color (65 days after 50% silking) (Munsell code) 1 Dry Husk Color (65 days after 50% silking) (Munsell code) 1 Dry Husk Color (65 days after 50% silking) (Munsell code) 21 Dry Husk Color (65 days after 50% silking) (Munsell code) 1 Dry Husk Color (65 days after 50% silking) (Munsell code) 1 Dry Husk Color (Hunsell	a. EAR (Unhusked Data):					
19 Dry Husk Color (65 days after 50% silking) (Munsell code)   10YR 9/2   2 Position of Ear at Dry Husk Stage: 1=Upright, 2=Horizontal, 3=Pendent   3   3   4   4   2   4   2   4   2   4   4   2   4   4	11 Silk Color (3 days after emergence) (Munsell code)	10R	5/6 I	1 Munsell	code 2.50	SY 9/6
19   Dry Husk Color (65 days after 50% silking), (Munsell code)   10YR 9/2   2   21   Munsell code   2.5Y 8.5/4	2 Fresh Husk Color (25 days after 50% silking) (Munse	II code) 5GY	′ 6/8	2 Munsell	code 5GY	<sup>'</sup> 6/6
2 Position of Ear at Dry Husk Stage: 1=Upright, 2=Horizontal, 3=Pendent 6 Husk Tightness (Rate on scale from 1=very loose to 9=very tight 2 Hush Extension (at harvest): 1=Short(ears exposed), 2=Medium (<8cm), 3=Long (8-10cm beyond ear tip), 4=Very Long (>10cm)  7b. EAR (Husked Ear Data)  7b. EAR (Husked Ear Data)  7c. EAR (Husked Ear Data)  7b. EAR (Husked Ear Data)  7c. EAR (Husked Ear Data)  8c. EAR (Husked Ear Data)  9c. Ear Taper.  9c. EAR (Husked Ear Data)  9c. Ear Taper.  9c. EAR (Husked Ear Data)  9c. Ear Taper.  9c	19 Dry Husk Color (65 days after 50% silking) (Munsell of	code) 10Y	R 9/2	21 Munseli		
§ Husk Tightness (Rate on scale from 1=very loose to 9=very tight 2 Hush Extension (at harvest): 1=Short(ears exposed), 2=Medium (<8cm), 3=Long (8-10cm beyond ear tip), 4=Very Long (>10cm)       1       4         7b. EAR (Husked Ear Data) (8-10cm)       St. Dev. Sample Size   Mean St.Dev. Sample Size   Mean St.Dev. Sample Size   14.8 cm Ear Length   1.83   30   14.7   1.42   36   39.2   2.27   30   39.2   2.27   30   39.2   2.27   30   39.2   2.27   30   39.2   2.27   30   39.2   2.27   30   39.2   2.27   30   39.2   2.27   30   39.2   2.27   30   30   39.2   2.27   30   30   39.2   2.27   30   30   39.2   2.27   30   30   39.2   2.27   30   30   39.2   2.27   30   30   39.2   2.27   30   30   39.2   2.27   30   30   39.2   2.27   30   30   39.2   2.27   30   30   39.2   2.27   30   30   39.2   2.27   30   30   39.2   2.27   30   30   39.2   2.27   30   30   39.2   2.29   30   30   39.2   2.29   30   30   30   39.2   2.29   30   30   30   30   30   30   30   3	2 Position of Ear at Dry Husk Stage: 1=Upright, 2=Hori	zontal, 3≃Pendent				
(8-10cm beyond ear tip), 4=Very Long (>10cm)  7b. EAR (Husked Ear Data)  14.8 cm Ear Length  1.83  30   14.7   1.42   36  39.2 mm Ear Diameter at mid-point   1.81   30   39.2   2.27   33  100.1 gm Ear Weight   16.29   30   90.6   20.29   36  13.8 Number of Kernel Rows   1.61   30   14.2   1.52   36  2 Kernel Rows: 1=Indistinct, 2=Distinct   2  2 Row Alignment: 1=Straight, 2=Slightly Curved, 3=Spiral   2  11.6 cm Shank Length   4.69   30   10.3   2.55   30  2 Ear Taper: 1=Slight, 2=Average, 3=Extreme   2  3 KERNEL (Dried):   St. Dev. Sample Size   Mean   St. Dev. Sample Size   10.3 mm Kernel Length   0.64   30   9.2   0.94   30  7.7 mm Kernel Width   0.64   30   9.2   0.94   30  7.7 mm Kernel Thickness   0.61   30   4.6   0.77   30  2 8.3 % Round Kernels (Shape Grade)   0.61   30   4.6   0.77   30  2 8.3 % Round Kernels (Shape Grade)   1.25Y 7/14   7 Aleurone Color Pattern: 1=Homozygous, 2=Segregating (Describe)   1  7 Aleurone Color Pattern: 1=Homozygous, 2=Segregating (Describe)   1  Aleurone Color (Munsell code)   1.25Y 7/14   7 Munsell code   2.5Y 8/14   7 Munsell code	6 Husk Tightness (Rate on scale from 1=very loose to s	9=very tight	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	<u>4</u>		
(8-10cm beyond ear tip), 4=Very Long (>10cm)  7b. EAR (Husked Ear Data)  14.8 cm Ear Length  1.83  30   14.7   1.42   36  39.2 mm Ear Diameter at mid-point   1.81   30   39.2   2.27   33  100.1 gm Ear Weight   16.29   30   90.6   20.29   36  13.8 Number of Kernel Rows   1.61   30   14.2   1.52   36  2 Kernel Rows: 1=Indistinct, 2=Distinct   2  2 Row Alignment: 1=Straight, 2=Slightly Curved, 3=Spiral   2  11.6 cm Shank Length   4.69   30   10.3   2.55   30  2 Ear Taper: 1=Slight, 2=Average, 3=Extreme   2  3 KERNEL (Dried):   St. Dev. Sample Size   Mean   St. Dev. Sample Size   10.3 mm Kernel Length   0.64   30   9.2   0.94   30  7.7 mm Kernel Width   0.64   30   9.2   0.94   30  7.7 mm Kernel Thickness   0.61   30   4.6   0.77   30  2 8.3 % Round Kernels (Shape Grade)   0.61   30   4.6   0.77   30  2 8.3 % Round Kernels (Shape Grade)   1.25Y 7/14   7 Aleurone Color Pattern: 1=Homozygous, 2=Segregating (Describe)   1  7 Aleurone Color Pattern: 1=Homozygous, 2=Segregating (Describe)   1  Aleurone Color (Munsell code)   1.25Y 7/14   7 Munsell code   2.5Y 8/14   7 Munsell code	2 Hush Extension (at harvest): 1=Short(ears exposed),	2=Medium (<8cm)	), 3=Long I	<u>2</u>		
14.8 cm Ear Length   1.83   30   1.4.7   1.42   30   39.2   2.27   30   39.2   2.27   30   39.2   2.27   30   39.2   2.27   30   39.2   2.27   30   39.2   2.27   30   39.2   2.27   30   39.2   2.27   30   39.2   2.27   30   39.2   2.27   30   39.2   2.27   30   39.2   2.27   30   30   39.2   2.27   30   30   39.2   2.27   30   30   39.2   2.27   30   30   39.2   2.27   30   30   39.2   2.29   30   30   30   39.2   2.29   30   30   30   30   30   30   30   3	(8-10cm beyond ear tip), 4=Very Long (>10cm)		1			
14.8 cm Ear Length   1.83   30   14.7   1.42   30   39.2   2.27   30   30   39.2   2.27   30   30   30   30   30   30   30   3	7b. EAR (Husked Ear Data)	St. Dev.	Sample Size I	Mean	St.Dev.	Sample Size
39.2 mm Ear Diameter at mid-point 1.81 30   39.2 2.27 32 100.1 gm Ear Weight 16.29 30   90.6 20.29 32 32 20.29 32 32 1.81 Number of Kernel Rows 1.61 30   14.2 1.52 32 32 1.82 1.82 32 1.82 32 1.82 1.82 32 1.82 1.82 32 1.82 1.82 32 1.82 1.82 32 1.82 1.82 1.82 32 1.82 1.82 1.82 1.82 1.82 1.82 1.82 1.8		<u>1.83</u>		14.7	1.42	30
100.1 gm Ear Weight	39.2 mm Ear Diameter at mid-point	1.8 <b>1</b>	<u>30</u> ∣			30
13.8 Number of Kernel Rows   1.61   30   14.2   1.52   30   30   30   30   30   30   30   3	100.1 gm Ear Weight					30
2 Kernel Rows: 1=Indistinct, 2=Distinct       2 Row Alignment: 1=Straight, 2=Slightly Curved, 3=Spiral       1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			30 i	14.2		30
2 Row Alignment: 1=Straight, 2=Slightly Curved, 3=Spiral 11.6 cm Shank Length 2 Ear Taper: 1=Slight, 2=Average, 3=Extreme  2 Ear Taper: 1=Slight, 2=Average, 3=Extreme  3	2 Kernel Rows: 1=Indistinct, 2=Distinct		<u> </u>			
11.6 cm Shank Length   2		ral	i i	<u></u>		
2 Ear Taper: 1=Slight, 2=Average, 3=Extreme    2   2   2			30 I	10.3	2.55	30
10.3 mm Kernel Length       0.64       30   9.2       0.94       30   7.3       0.65       1.8       30	2 Ear Taper: 1=Slight, 2=Average, 3=Extreme		i			
7.7         mm Kernel Width         0.69         30         1         7.3         0.65         30           4.7         mm Kernel Thickness         0.61         30         1         4.6         0.77         30           28.3         % Round Kernels (Shape Grade)         7.09         6         1         21.7         7.07         6           1         Aleurone Color Pattern: 1=Homozygous, 2=Segregating (Describe)         1         1         7         Munsell code         2.5Y 8/14           7         Hard Endosperm Color (Munsell code)         1.25Y 7/14         1         7         Munsell code         2.5Y 8/14           3         Endosperm Type: 1=Sweet(su1), 2=Extra Sweet(sh2), 3=Normal Starch, 4=High         1         3           Amylose Starch, 5=Waxy Starch, 6=High Protein, 7=High Lysine, 8=Super Sweet         1         3           (se), 9=High Oil, 10=Other         1         1         19.2         2.56         6           24.2         gm Weight per 100 kernels (unsized sample)         3.25         6         1         19.2         2.56         6		St.Dev.	Sample Size	Mean		Sample Size
7.7 mm Kernel Width       0.69       30         7.3       0.65       36         4.7 mm Kernel Thickness       0.61       30         4.6       0.77       36         28.3 % Round Kernels (Shape Grade)       7.09       6         21.7       7.07       6         1 Aleurone Color Pattern: 1=Homozygous, 2=Segregating (Describe)       1       1       7.07       6         2 Aleurone Color (Munsell code)       1.25Y 7/14       1       7 Munsell code       2.5Y 8/14         2 Hard Endosperm Color (Munsell code)       10YR 7/10       1       7 Munsell code       2.5Y 8/14         3 Endosperm Type: 1=Sweet(su1), 2=Extra Sweet(sh2), 3=Normal Starch, 4=High       1       3         Amylose Starch, 5=Waxy Starch, 6=High Protein, 7=High Lysine, 8=Super Sweet       1       3         (se), 9=High Oil, 10=Other       1       1       1       1         24.2 gm Weight per 100 kernels (unsized sample)       3.25       6         1       19.2       2.56       6			<u>30</u> 1	<u>9.2</u>	<u>0.94</u>	<u>3</u>
4.7 mm Kernel Thickness       0.61 / 7.09       30   4.6 / 21.7 / 7.07       36   21.7 / 7.07       36   21.7 / 7.07       36   21.7 / 7.07       36   21.7 / 7.07       36   21.7 / 7.07       36   21.7 / 7.07       37   21.7 / 7.07       37   21.7 / 7.07       37   21.7 / 7.07       37   21.7 / 7.07       37   21.7 / 7.07       37   21.7 / 7.07       37   21.7 / 7.07       38   21.7 / 7.07       38   21.7 / 7.07       38   21.7 / 7.07       38   21.7 / 7.07       38   21.7 / 7.07       38   21.7 / 7.07       38   21.7 / 7.07       38   21.7 / 7.07       38   21.7 / 7.07       38   21.7 / 7.07       38   21.7 / 7.07       38   21.7 / 7.07       39   21.7 / 7.07       39   21.7 / 7.07       39   21.7 / 7.07       39   21.7 / 7.07       39   21.7 / 7.07       30   21.7 / 7.07		<u>0.69</u>	<u>30</u> l	<u>7.3</u>		30
28.3 % Round Kernels (Shape Grade)  1 Aleurone Color Pattern: 1=Homozygous, 2=Segregating (Describe)  7 Aleurone Color (Munsell code)  1 Hard Endosperm Color (Munsell code)  2 Endosperm Type: 1=Sweet(su1), 2=Extra Sweet(sh2), 3=Normal Starch, 4=High  Amylose Starch, 5=Waxy Starch, 6=High Protein, 7=High Lysine, 8=Super Sweet  (se), 9=High Oil, 10=Other  24.2 gm Weight per 100 kernels (unsized sample)  3 Endosperm Type: 1=Sweet(su2), 2=Extra Sweet(sh2), 3=Normal Starch, 4=High  (se), 9=High Oil, 10=Other  1 21.7 7.07  5 Munsell code 2.5Y 8/14  7 Munsell code 2.5Y 8/14  2.55 8/14  2.55 8/14  3 Munsell code 2.5Y 8/14  5 Munsell code 2.5Y 8/14  7 Munsell code 2.5Y 8/14  1 Munsell code 2.5Y 8/14  2 Munsell code 2.5Y 8/14  2 Munsell code 2.5Y 8/14  3 Munsell code 2.5Y 8/14  5 Munsell code 2.5Y 8/14  6 I 1 19.2 2.56			<u>30</u> I	<u>4.6</u>		36
1 Aleurone Color Pattern: 1=Homozygous, 2=Segregating (Describe) 1 Aleurone Color (Munsell code) 2 Aleurone Color (Munsell code) 3 Hard Endosperm Color (Munsell code) 3 Endosperm Type: 1=Sweet(su1), 2=Extra Sweet(sh2), 3=Normal Starch, 4=High Amylose Starch, 5=Waxy Starch, 6=High Protein, 7=High Lysine, 8=Super Sweet (se), 9=High Oil, 10=Other  24.2 gm Weight per 100 kernels (unsized sample) 3 1 2 2.56 6 1 19.2 2.56	28.3 % Round Kernels (Shape Grade)	<u>7.09</u>		<u>21.7</u>	7.07	-
7 Aleurone Color (Munsell code) 1.25Y 7/14   7 Hard Endosperm Color (Munsell code) 10YR 7/10   7 Munsell code 2.5Y 8/14 3 Endosperm Type: 1=Sweet(su1), 2=Extra Sweet(sh2), 3=Normal Starch, 4=High   3  Amylose Starch, 5=Waxy Starch, 6=High Protein, 7=High Lysine, 8=Super Sweet   (se), 9=High Oil, 10=Other	1 Aleurone Color Pattern: 1=Homozygous, 2=Segregati	ng (Describe)		<u>1</u>		_
3 Endosperm Type: 1=Sweet(su1), 2=Extra Sweet(sh2), 3=Normal Starch, 4=High   3 Amylose Starch, 5=Waxy Starch, 6=High Protein, 7=High Lysine, 8=Super Sweet   (se), 9=High Oil, 10=Other	7 Aleurone Color (Munsell code) 1.25	Y 7/14	_	Z Munsell	code <u>2</u> .	5Y 8/14
3 Endosperm Type: 1=Sweet(su1), 2=Extra Sweet(sh2), 3=Normal Starch, 4=High   3 Amylose Starch, 5=Waxy Starch, 6=High Protein, 7=High Lysine, 8=Super Sweet   (se), 9=High Oil, 10=Other   1			Ì	7 Munsell	code 2	5Y 8/14
Amylose Starch, 5=Waxy Starch, 6=High Protein, 7=High Lysine, 8=Super Sweet (se), 9=High Oil, 10=Other    24.2 gm Weight per 100 kernels (unsized sample) 3.25 6 1 19.2 2.56				<u>3</u>		
		gh Lysine, 8=Supe	r Sweet I	_		
	24.2 gm Weight per 100 kernels (unsized sample)	 3.25	. l	19.2	2.56	
						_

Note: Use chart on first page to choose color codes for color traits

Aspergillus Ear & Kernel Rot

6 Fusarium Ear & Kernel Rot

Diplodia Ear Rot

5 Gibberella Ear Rot

Other (Specify)\_

Standard Inbred Data

Page 3

Note: Use chart on first page to choose color codes for color traits.

Diplodia Ear Rot (Stenocarpella maydis)

5 Gibberella Ear Rot (Gibberella zeae)

Other (Specify)

**Application Variety Data** 

Aspergillus Ear and Kernel Rot (Aspergillus flavus)

6 Fusarim Ear and Kernel Rot (Fusarium moniliforme)

Application Variety Data	Page 4	I Standard Inbred Data
11. INSECT RESISTANCE (Rate from 1(most susceptible) to 9	(most resistant); Leave blank	
if not tested	St. Dev. Sample Size	St. Dev. Sample Size
Banks Grass Mite (Oligonychus pratensis)	**	I Banks Grass Mite
Corn Earworm (Helicoverpa zea)		I Corn Earworm
_ Leaf Feeding		I Leaf Feeding
Silk Feedingmg larval wt.		
_ Ear Damage		i Ear Damage
<ul> <li>Corn Leaf Aphid (Rhopalosiphum maidis)</li> </ul>		I Corn Leaf Aphid
Corn Sap Beetle (Carpophilus dimidiatus)		Corn Sap Beetle
European Corn Borer (Ostrinia nubilalis)		I European Corn Borer
5 1 st Generation (Typically Whorl Leaf Feeding)		I <u>4</u> 1 st Generation
2 nd Generarion (Typically Leaf Sheath-Collar Feeding	)	_ 2 nd Generation
Stalk Tunneling:cm tunneled/plant		
Fall Armyworm (Spodoptera frugiperda)		l Fall Armyworm
_ Leaf-Feeding		Leaf-Feeding
Silk-Feeding mg larval wt.		<u> </u>
_ Maize Weevil (Sitophilus Zeamaize)	4	I _ Maize Weevil
_ Southern Rotworm (Diabrotica undecimpunctata)		I _ Southern Rootworm
Southwestern Corn Borer (Diatraea grandiosella)		I Southwestern Corn Borer
_ Leaf Feeding		I _ Leaf Feeding
Stalk Tunneling:cm tunneled/plant		l
_ Two-spotted Spider Mite (Tetranychus urticae)		I Two-spotted Spider Mite
Western Rootworm (Diabrotica virgifera virgifera)		I _ Western Rootworm
Other (Specify)	··	Other (Specify)
12. AGRONOMIC TRAITS:		
		1 00 0
6 Stay Green (at 65 days after anthesis) (Rate on scale fr % Dropped Ears (at 65 days after anthesis)	om 1=worst to 9=exellent)	1 Stay Green
% Pre-anthesis Brittle Snapping		1 % Dropped Ears
% Pre-anthesis Britile Shapping % Pre-anthesis Root Lodging		1 % Pre-anthesis Brittle Snapping
Post-anthesis Root Lodging		I % Pre-anthesis Root Lodging Post-anthesis Root Lodging
4,682.0 kg/ha Yield of Inbred per se (at 12-13% grain mo	nietura)	! 1,978.0 Yield
4,002.0 Rg/lia Fleid of Inbred per 3e (at 12-15% grain file	osture)	1 1,310.0 Held
13. MOLECULAR MARKERS: (0=data unavailable; 1=data availa	able but not supplied; 2=data supp	blied.)
1 Isozymes _ RFLP's	_ RAPD's	_ Other (Specify)
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COMMENTS (e. g. state how heat units were calculated, standard inbred seed source, and/or where data was collected. Continue in Exhibit D)
Insect, disease, brittle snapping and root lodging data are collected mainly from environment where variability for the trait
can be obtained within the experiment.

Our experimental design was set up in a typical complete block design commonly used in agricultural corn research experiments using three locations/environments. One replication was grown at each location. This is one more environment than is required according to the PVP application instructions. Our approach was to test the variety in more than 1 location (as instructed) while also allowing us the extra location/environment if there should be an unexpected failure at a location due to weather or other problems. There may also be situations where an additional year of testing was conducted resulting in 2 years of trial data. There would likely be more variability due to soil type differences, nutrients, or weather typical of different testing environments than if all three trials were grown in the same field on the same farm with the same planting dates in the same year. If you recommend that all locations/environments are grown in the same field with the same planting dates and same year, please let us know and we will adjust our 2007 procedures.

The experimental design and methods for 2003 were as follows:

Please update the exhibit C addendum with this paragraph:

The experiment procedures involved three environments with different planting dates, planted in 17.42 ft. rows with 2 rows for each variety. Approximately 24-30 plants emerged in each of 2 rows for a total of around 48 to 60 plants being evaluated at each location and 144 to 180 plants across locations. For plant level traits, we sampled 5 representative plants from the 2 rows of the 2 row plot (group) of plants at each location. For plot level traits we evaluated the 2 row plot (group) and gave a representative score or average on the 48-60 plants in the group within an experiment.

Some traits can be especially variable under different environmental factors influenced by weather, soil type, or planting dates. Varying temperatures or day length could impact the meristem growth during various tissue differentiation stages. The meristem differentiation of the ear and other tissues could be impacted as well as the success of pollination during flowering and frequency of kernel abortion during grain fill. Such variation could impact some of the traits that you mention because our experiment design does not grow all of the trials in the same field with the same planting date.

I would be happy to share detailed protocols or discuss with you in more detail the sampling, experiment design, reporting, and the conscientious evaluations that went into the characterization of the data..

## CLARIFICATION OF DATA IN EXHIBITS B AND C

2004 00 194

Please note the data presented in Exhibit B and C, "Objective Description of Variety," are collected primarily at Johnston and Dallas Center, Iowa. The data in Tables 1A and 1B are from two sample t-tests using data collected in Johnston and Dallas Center, IA. These traits in exhibit B collectively show distinct differences between the two varieties.

U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE

## **EXHIBIT E** STATEMENT OF THE BASIS OF OWNERSHIP

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). The information is held confidential until the certificate is issued (7 U.S.C. 2426).

1. NAME OF APPLICANT(S)

PIONEER HI-BRED INTERNATIONAL, INC.

2.TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER VARIETY NAME

PH907

4 .ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP, and Country)

5. TELEPHONE (include area code)

FAX (include area code)

7301 NW 62<sup>nd</sup> AVENUE **P.O.BOX 85** JOHNSTON, IA 50131-0085

515-270-4051

515-253-2125

7.PVPO NUMBER

2004 00 194

8. Does the applicant own all rights to the variety? Mark an "X" in the appropriate block. If no, please explain: YES IND
9.Is the applicant (individual or company) a U.S. national or a U.S. based company? If no, give name of country 🖂 YES 🔲 NO
10. Is the applicant the original owner? ⊠ YES □ NO If no, please answer one of the following:
a. If the original rights to variety were owned by individual(s), is (are) the original owner(s) a U.S. National(s)?
☐ YES ☐ NO if no, give name of country
b. If the original rights to variety were owned by a company(ies), is (are) the original owner(s) a U.S. based company?
11. Additional explanation on ownership (Trace ownership from original breeder to current owner. Use the reverse for extra space if needed):

Pioneer Hi-Bred International, Inc. (PHI), Des Moines, Iowa, and/or its wholly owned subsidiary Pioneer Overseas Corporation (POC), Des Moines, Iowa, is the employer of the plant breeders involved in the selection and development of PH907. Pioneer Hi-Bred International and/or Pioneer Overseas Corporation has the sole rights and ownership of PH907 pursuant to written contracts that assign all rights in the variety to PHI and/or POC at the time such variety was created. No rights to this variety are retained by any individuals.

## PLEASE NOTE:

Plant variety protection can only be afforded to the owners (not licensees) who meet the following criteria:

- If the rights to the variety are owned by the original breeder, that person must be a U.S. national of a UPOV member country, or national of a country which affords similar protection to nationals of the U.S. for the same genus and species.
- If the rights to the variety are owned by the company which employed the original breeder(s), the company must be U.S. based, owned by nationals of a UPOV member country, or owned by nationals of a country which affords similar protection to nationals of the U.S. for the same genus and species.
- If the applicant is an owner who is not the original owner, both the original owner and the applicant must meet one of the above criteria.

The original breeder/owner may be the individual or company who directed the final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definitions.

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 0.1 hour per response, including the time for reviewing the instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, D.C. 20250-9410 or call (202) 720-5964 (voice and TDD). USDA is an equal employment opportunity provide and employer,